

What is claimed is:

1 1. A paper machine comprising:

2 a plurality of belt mechanisms for transferring a wet
3 web which is formed by a wire part, each of said belt mechanisms
4 having a belt for supporting the wet web and a driving unit
5 for driving said belt together with the wet web;

6 a press part including one or more press units, arranged
7 along a transfer path of the web, for pressing the wet web
8 so that the wet web is dewatered; and

9 a dryer part including a plurality of dryer units,
10 arranged along the transfer path of the wet web, for drying
11 the wet web, which has been dewatered in said press part,
12 by heat; wherein

13 a last press unit, that is the most downstream one
14 of the one or more press units along the transfer path of
15 the wet web in said press part, a first dryer unit, that is
16 the most upstream one of the plural dryer units along the
17 transfer path of the wet web in said dryer part, and a second
18 dryer unit, that is the second upstream one of the plural
19 dryer units along the transfer path of the wet web in said
20 dryer part, are associated with three of said belt mechanisms,
21 respectively, and

22 said driving units of the last-named three belt
23 mechanisms, which are associated with said last press unit,
24 said first dryer unit and said second dryer unit, respectively,
25 are individually controlled so that a transfer speed of the

26 wet web along each of said last press unit, said first dryer
27 unit and said second dryer unit is individually set.

1 2. Paper machine according to claim 1, wherein:
2 the transfer speed of the wet web along said first
3 dryer unit is set to be higher than the transfer speed of
4 the wet web along said last press unit; and
5 the transfer speed of the wet web along said second
6 dryer unit is set to be higher than the transfer speed along
7 said first dryer unit.

1 3. A paper machine according to claim 1, wherein the
2 transfer speed of the wet web along said first dryer unit
3 is set to be higher than the transfer speed of the wet web
4 along said last press unit by a factor equal to or less than
5 1.04.

1 4. A paper machine according to claim 2, wherein the
2 transfer speed of the wet web along said first dryer unit
3 is set to be higher than the transfer speed of the wet web
4 along said last press unit by a factor equal to or less than
5 1.04.

1 5. A paper machine according to claim 1, wherein the
2 transfer speed of the wet web along said second dryer unit
3 is higher than the transfer speed of the wet web along said
4 first dryer unit by a factor equal to or less than 1.01.

1 6. A paper machine according to claim 2, wherein the
2 transfer speed of the wet web along said second dryer unit
3 is higher than the transfer speed of the wet web along said
4 first dryer unit by a factor equal to or less than 1.01.

1 7. A paper machine according to claim 3, wherein the
2 transfer speed of the wet web along said second dryer unit
3 is higher than the transfer speed of the wet web along said
4 first dryer unit by a factor equal to or less than 1.01.

1 8. A paper machine according to claim 4, wherein the
2 transfer speed of the wet web along said second dryer unit
3 is higher than the transfer speed of the wet web along said
4 first dryer unit by a factor equal to or less than 1.01.

1 9. A paper machine according to claim 1, wherein:
2 said dryer part has one or more other dryer units other
3 than said first and second dryer units, which other dryer
4 units are arranged downstream of said first and second dryer
5 units;
6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and
9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.

1 10. A paper machine according to claim 2, wherein:
2 said dryer part has one or more other dryer units other
3 than said first and second dryer units, which other dryer
4 units are arranged downstream of said first and second dryer
5 units;

6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and

9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.

1 11. A paper machine according to claim 3, wherein:
2 said dryer part has one or more other dryer units other
3 than said first and second dryer units, which other dryer
4 units are arranged downstream of said first and second dryer
5 units;

6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and

9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.

1 12. A paper machine according to claim 4, wherein:

2 said dryer part has one or more other dryer units other
3 than said first and second dryer units, which other dryer
4 units are arranged downstream of said first and second dryer
5 units;

6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and

9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.

1 13. A paper machine according to claim 5, wherein:

2 said dryer part has one or more other dryer units other
3 than said first and second dryer units, which other dryer
4 units are arranged downstream of said first and second dryer
5 units;

6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and

9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.

1 14. A paper machine according to claim 6, wherein:

2 said dryer part has one or more other dryer units other

3 than said first and second dryer units, which other dryer
4 units are arranged downstream of said first and second dryer
5 units;

6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and

9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.

1 15. A paper machine according to claim 7, wherein:

2 said dryer part has one or more other dryer units other
3 than said first and second dryer units, which other dryer
4 units are arranged downstream of said first and second dryer
5 units;

6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and

9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.

1 16. A paper machine according to claim 8, wherein:

2 said dryer part has one or more other dryer units other
3 than said first and second dryer units, which other dryer

4 units are arranged downstream of said first and second dryer
5 units;

6 said second dryer unit and one of said other dryer
7 units are associated with two of said belt mechanisms,
8 respectively; and

9 a transfer speed of the wet web along said last-named
10 one dryer unit is set to be higher than the transfer speed
11 of the wet web along said second dryer unit by a factor equal
12 to or less than 1.01.